

METHOD FOR SELECTING A CHANNEL IN A WIRELESS NETWORK

Abstract

A method for selecting one channel from a plurality of channels in a wireless network system is disclosed. The channels include at least one in-use channel, a first idle channel, and a second idle channel. The method includes comparing the frequency band of the in-use channel with the frequency band of the first idle channel and the second idle channel to determine a first reference value for the first idle channel and a second reference value for the second idle channel, and comparing the first reference value with the second reference value to select one from the first idle channel and the second idle channel.